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HADLACZKY *et al.*  
PRELIMINARY AMENDMENT

allowing the embryo or zygote to develop into a transgenic non-human animal comprising the SATAC.

107. (New) The method of claim 106, wherein the satellite artificial chromosome is a megachromosome derived from a cell line having all of the identifying characteristics of the cell line deposited under ECACC accession number 96040928 or 96040929.

108. (New) The method of claim 32, wherein the cell is an ovum that develops into an embryo or zygote.

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cont 109. (New) The method of claim 97, wherein the embryo is produced by introducing a SATAC into a cell that is capable of developing into an embryo, wherein introduction is effected by a method selected from the group consisting of direct uptake, incubation with polyethylene glycol (PEG), lipofection, microinjection, cell fusion, microcell fusion, electroporation, electrofusion, particle bombardment, projectile bombardment, calcium phosphate precipitation and site-specific targeting.

110. (New) The method of claim 109, wherein the cell is selected from the group consisting of an ovum, a zygote, a mouse embryonic stem cell and a fertilized oocyte.

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Please replace claims 32, 65, 82, 83 and 98 with amended claims 32, 65, 82, 83 and 98 as follows:

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32. (Amended) A method for producing a transgenic non-human mammal, comprising:

62 introducing a cell comprising a satellite artificial chromosome into a female non-human mammal, wherein the cell is capable of developing into an embryo in a female non-human mammal; and

allowing the cell to develop into a transgenic non-human mammal comprising a satellite artificial chromosome.

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63 65. (Amended) The method of claim 32, wherein the cell is a fertilized ovum.

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